

FROM THE CREATORS OF

HYGROZYME®



HYSHIELD™, part of the HYGROZYME® product family, is a natural plant immunity booster made from chitosan, which is derived from the exoskeletons of crab shells. Plant cell walls have specific receptors that detect the presence of chitosan.

HYSHIELD™ tricks the plant into thinking it's being attacked by bugs, and as a result it ups its auto-immune system, keeping pathogens and pests at bay. The proprietary formula triggers the plant's natural defense responses which increases essential oil production and maximizes yield potential. **HYSHIELD™** also boosts the overall health and strength of your plants, resulting in thicker stalks that work to support a larger canopy.

HYSHIELD™ provides the following benefits:

1. Unlocks the true genetic potential of your plant's growth and potency.
2. Reduces transpiration, increasing the plant's resilience to a variety of environmental factors, including high heat and cold stress environments.
3. Most effective when used from seed germination or cloning, and applied as a foliar through veg, switching to root drench application in flower.

All products in the HYGROZYME® family are produced in our ISO 9001 certified facility, guaranteeing high quality products and absolute consistency every time, in every product.

Application Notes:

- ✓ Usage: 1-2 mL per Liter of water recommended to be used with every watering, or as determined by your feed schedule.
- ✓ Effective in all growing media and growth stages.
- ✓ Enhances flower development and growth.
- ✓ Reduces transpiration without lower crop output.
- ✓ Improves overall plant health and plant survival through environmental stress.

Units needed for Grow Cycle

Name	Size	Total Gallons of water per week	15 Gallons (57L)	25 Gallons (100L)	50 Gallons (189 L)	100 Gallons (380L)	300 Gallons (1,135L)	700 Gallons (2,650L)
Hyshield	1L	Units needed for whole cycle	2	3	1			
Hyshield	4L				1			
Hyshield	10L					1	1	1
Hyshield	20L						1	3
Hygroben	500 mL							
Hygroben	1L		2	3	1			
Hygroben	4L				1			
Hygroben	10L					1	1	1
Hygroben	20L						1	3
Hygroben	208L							
Hygrozyme	500 mL							
Hygrozyme	1L		2	3	2	2		
Hygrozyme	4L				1			
Hygrozyme	10L					1		
Hygrozyme	20L						2	4
Hygrozyme	208L							
Hyclean	500 mL		1	2	3			
Hyclean	4L					1	2	
Hyclean	20L							1
Hyclean	208L							

Product Needed for a Full Grow Cycle*

*Units needed for a full run (based on total weekly water consumption, 4 week clone/veg and 8 weeks flower).

** Hyshield Calculations made based on 2 mL/L.

***Hygrozyme Calculations made based on 2.5 mL/L.

****Hyclean Calculations include enough product for your grow cycle, plus a deep clean and equipment soak.

To confirm rates for individual feedings or to calculate leftover product for cleaning, see feed calculator on Hygrozyme Website.

Feed Schedule

Preventative Maintenance	Week	mL of product per Liter of Water	oz. of product per Gallon of Water
Seedling/Cutting Stage	1	1-2 mL	0.12 - 0.25 oz./Gal
	2	1-2 mL	0.12 - 0.25 oz./Gal
Vegetative Stage	3	1-2 mL	0.12 - 0.25 oz./Gal
	4	1-2mL	0.12 - 0.25 oz./Gal

Foliar spray is one of the most effective ways to apply **HYSHIELD™** to plants and trigger its benefits. Mix and spray to the label dosage and spray with lights off 3-5 times per week.

Preventative Maintenance	Week	mL of product per Liter of Water	oz. of product per Gallon of Water
Flowering Stage	5	1-2 mL	0.12 - 0.25 oz./Gal
	6	1-2 mL	0.12 - 0.25 oz./Gal
	7	1-2 mL	0.12 - 0.25 oz./Gal
	8	1-2 mL	0.12 - 0.25 oz./Gal
	9	1-2 mL	0.12 - 0.25 oz./Gal
	10	1-2 mL	0.12 - 0.25 oz./Gal
	11	1-2 mL	0.12 - 0.25 oz./Gal
	12	1-2 mL	0.12 - 0.25 oz./Gal
Flushing Period	13	Flush	

Use this feed chart as a guide only. All Results dependent on external factors.